L Number	Hits	Search Text	DB	Time stamp
2	1	legacy same construct same reuse	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:39
1	30	legacy same code same reuse	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:38
3	10	(legacy same code same reuse) and weight	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:16
4	24	(legacy same code same reuse) and (weight or factor or priority)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 19:08
5	1	(legacy same code same reuse) and (717/151-161.CCLS. or 709/238-241.CCLS. or 710/5,34.CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:39
6	2	(legacy same construct) and (717/151-161.CCLS. or 709/238-241.CCLS. or 710/5,34.CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:40
7	0	(cobol same reuse) and (717/151-161.CCLS. or 709/238-241.CCLS. or 710/5,34.CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:40
8	0	(3Gl same reuse) and (717/151-161.CCLS. or 709/238-241.CCLS. or 710/5,34.CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:40
9	0	(3Gl same construct) and (717/151-161.CCLS. or 709/238-241.CCLS. or 710/5,34.CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:40
10	6	(cobol same construct) and (717/151-161.CCLS. or 709/238-241.CCLS. or 710/5,34.CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:43
11	7383	(cobol or PL/1 or (third adj generation adj language) or fortran)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:44
12	191	((cobol or PL/1 or (third adj generation adj language) or fortran)) same construct	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:45
13	2	(((cobol or PL/1 or (third adj generation adj language) or fortran)) same construct) same reuse$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:44

14	195	((cobol or PL/1 or (third adj generation adj language) or fortran)) same (construct or restruct$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:45
15	1	(((cobol or PL/1 or (third adj generation adj language) or fortran)) same (construct or restruct$3)) same weight	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 18:46
16	413	legacy same (weight or factor or priority)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 19:14
17	2	(legacy same (weight or factor or priority)) same reuse	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 19:10
18	2	(legacy same (weight or factor or priority)) same construct	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 19:10
19	0	(legacy same (weight or factor or priority)) same restruct$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 19:11
20	15	(legacy same (weight or factor or priority)) same terminal	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 19:11
21	0	profil$3 same instrument$5 same (priorit$3 or weight$3) same legacy	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 19:15
22	320	profil$3 same instrument$5 same (priorit$3 or weight$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 19:15
23	20	(profil$3 same instrument$5 same (priorit$3 or weight$3)) same construct$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 19:15
-	1	("20020194577").PN.	USPAT; US-PGPUB	2004/04/22 14:28
-	2	(("6167564") or ("6018627")).PN.	USPAT; US-PGPUB	2004/04/19 15:54
-	1	EXEC adj cics adj gds adj receive	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:34
-	181	mainframe same cics	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:41
-	3	"181" and (3gl same construct$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:42

-	0	(mainframe same cics) and (3gl same construct$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 13:58
-	0	database same sort$3 same accord$3 near5 (weight)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:05
-	50	database same construct same weight	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:05
-	27279	database same construct same weight) (3gl or cics or mainframe	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:06
-	1	(database same construct same weight) same (3gl or cics or mainframe)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:06
-	4	(database same construct same weight) and (3gl or cics or mainframe)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:09
-	0	software same component same (weight or ease or difficiulty) same restruct$3 same list$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:10
-	1	software same component same (weight or ease or difficiulty) same restruct$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:11
-	2	component same (weight or ease or difficiulty) same restruct$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 14:11
-	4	(US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.	USPAT; US-PGPUB	2004/04/20 14:46
-	0	((US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.) and weight and component and construct and reconstruct	USPAT	2004/04/20 14:22
-	0	((US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.) and weight and component and (construct or reconstruct)	USPAT	2004/04/20 14:22
-	1	((US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.) and weight and component	USPAT	2004/04/20 14:22
-	2	restruct$3 same software same component	USPAT; US-PGPUB	2004/04/20 14:47
-	970	(priorit$4 or weight or critic$4) same software same component	USPAT; US-PGPUB	2004/04/20 14:48
-	506	(priorit$4 or weight) same software same component	USPAT; US-PGPUB	2004/04/20 14:48
-	26	((priorit$4 or weight) same software same component) same (list$3 or display$3) same (sort$3 or order$3)	USPAT; US-PGPUB	2004/04/20 16:28
-	3	5950213.URPN.	USPAT	2004/04/20 15:40

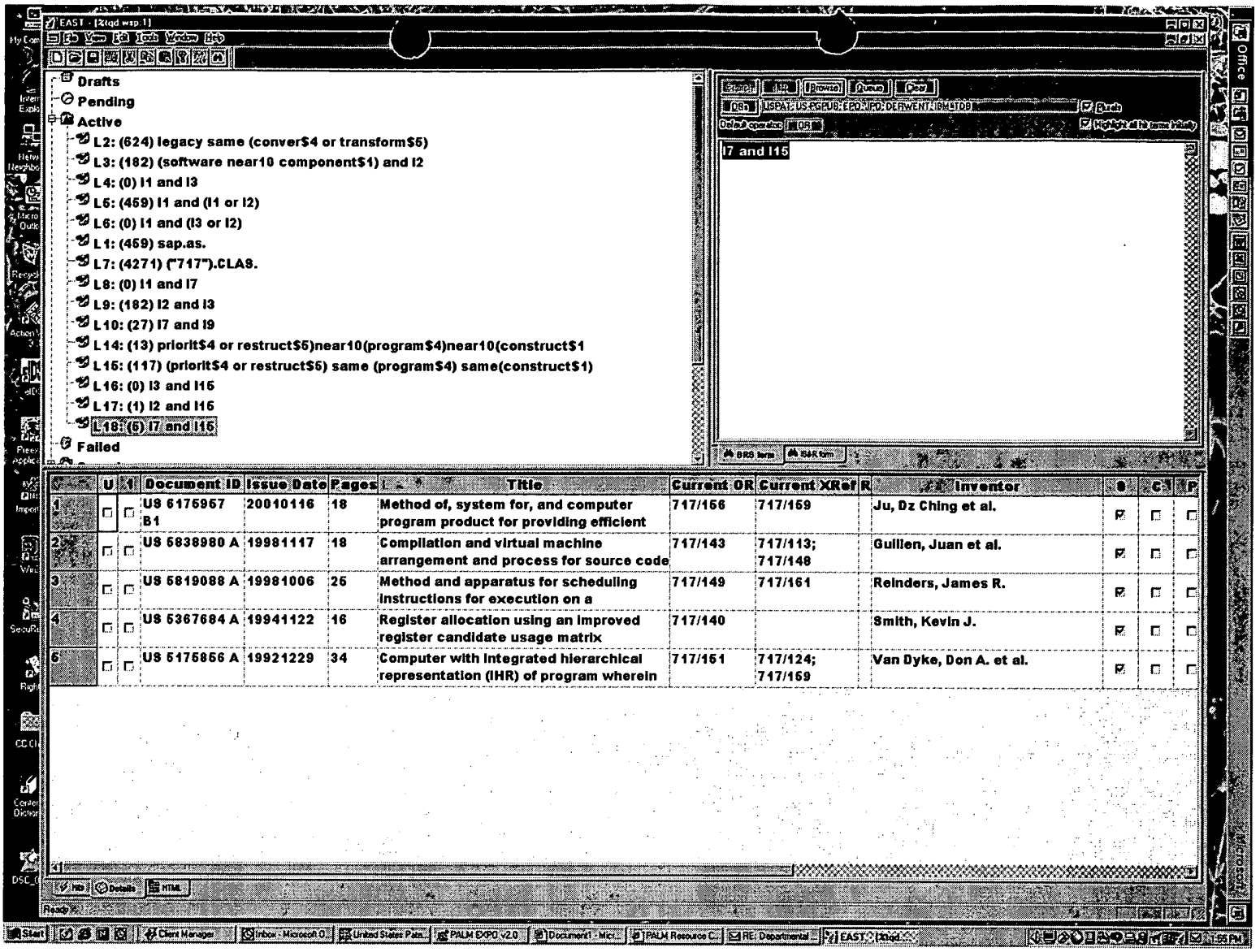
-	670	legacy same component	USPAT; US-PGPUB	2004/04/20 16:34
-	21	(legacy same component) same (wide adarea adj network)	USPAT; US-PGPUB	2004/04/20 16:35
-	2	((legacy same component) same (wide adarea adj network)) same (world adj wide adj web)	USPAT; US-PGPUB	2004/04/20 16:35
-	183	(legacy or mainframe) same component same database	USPAT; US-PGPUB	2004/04/20 16:35
-	587	(legacy or mainframe) same component same database	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/20 16:35
-	78	((legacy or mainframe) same component same database) same (wide adarea adj network)	USPAT; US-PGPUB	2004/04/20 16:35
-	16	(((legacy or mainframe) same component same database) same (wide adarea adj network)) same (world adj wide adj web)	USPAT; US-PGPUB	2004/04/20 16:42
-	3	((((legacy or mainframe) same component same database) same (wide adarea adj network)) same (world adj wide adj web)) and (CICS or 3gl or cobol)	USPAT; US-PGPUB	2004/04/20 16:43
-	1	(terminal adj I/O) same (External adj Flow adj Transfer) same (Data adj I/O) same (computation$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:30
-	1	(terminal adj I/O) and (External adj Flow adj Transfer) and (Data adj I/O) and (computation$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:30
-	1	(terminal adj I/O) and (External adj Flow adj Transfer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:30
-	1	(External adj Flow adj Transfer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:30
-	8	(US-5950213-$ or US-6631495-$ or US-6366910-$ or US-6301574-$ or US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.	USPAT; US-PGPUB	2004/04/22 14:32
-	3142828	(EXEC adj CICS adj GDS adj RECEIVE) or (ACCEPT) or (DISPLAY) or (EXEC adj CICS adj HANDLE adj AID) or (EXEC adj CICS adj RECEIVE) or (EXEC adj CICS adj RECEIVE adj MAP) or (EXEC adj CICS adj RECEIVE adj MAP adj MAPPING adj DEV) or (EXEC adj CICS adj SEND adj MAP) or (EXEC adj CICS adj SEND adj MAP adj MAPPING adj DEV) or (EXEC adj CICS adj ACQUIRE adj TERMINAL) or (EXEC adj CICS adj CREATE adj TERMINAL) or (EXEC or CICS or DISCARD or TERMINAL) or (EXEC or CICS or INQUIRE or TERMINAL) or (EXEC adj CICS adj SET adj TERMINAL)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:38

-	7	((US-5950213-$ or US-6631495-$ or US-6366910-$ or US-6301574-$ or US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.) and ((EXEC adj CICS adj GDS adj RECEIVE) or (ACCEPT) or (DISPLAY) or (EXEC adj CICS adj HANDLE adj AID) or (EXEC adj CICS adj RECEIVE) or (EXEC adj CICS adj RECEIVE adj MAP) or (EXEC adj CICS adj RECEIVE adj MAP adj MAPPING adj DEV) or (EXEC adj CICS adj SEND adj MAP) or (EXEC adj CICS adj SEND adj MAP adj MAPPING adj DEV) or (EXEC adj CICS adj ACQUIRE adj TERMINAL) or (EXEC adj CICS adj CREATE adj TERMINAL) or (EXEC or CICS or DISCARD or TERMINAL) or (EXEC or CICS or INQUIRE or TERMINAL) or (EXEC adj CICS adj SET adj TERMINAL))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:46
-	2648099	SORT or STOP or (EXEC adj CICS adj ABEND) or (EXEC adj CICS adj DUMP) or (EXEC adj CICS adj CHANGE adj TASK) or (EXEC adj CICS adj CONNECT) or (EXEC adj CICS adj SUSPEND) or PERFORM or (EXEC adj CICS adj ISSUE adj ABEND) or (EXEC adj CICS adj ISSUE adj ABORT) or (EXEC adj CICS adj SET adj UOW) or (EXEC adj CICS adj EXTRACT adj TCPIP) or CALL	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:46
-	7	((US-5950213-$ or US-6631495-$ or US-6366910-$ or US-6301574-$ or US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.) and (((US-5950213-$ or US-6631495-$ or US-6366910-$ or US-6301574-$ or US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.) and ((EXEC adj CICS adj GDS adj RECEIVE) or (ACCEPT) or (DISPLAY) or (EXEC adj CICS adj HANDLE adj AID) or (EXEC adj CICS adj RECEIVE) or (EXEC adj CICS adj RECEIVE adj MAP) or (EXEC adj CICS adj RECEIVE adj MAP adj MAPPING adj DEV) or (EXEC adj CICS adj SEND adj MAP) or (EXEC adj CICS adj SEND adj MAP adj MAPPING adj DEV) or (EXEC adj CICS adj ACQUIRE adj TERMINAL) or (EXEC adj CICS adj CREATE adj TERMINAL) or (EXEC or CICS or DISCARD or TERMINAL) or (EXEC or CICS or INQUIRE or TERMINAL) or (EXEC adj CICS adj SET adj TERMINAL)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:48

-	7	((US-5950213-$ or US-6631495-$ or US-6366910-$ or US-6301574-$ or US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.) and (((US-5950213-$ or US-6631495-$ or US-6366910-$ or US-6301574-$ or US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.) and (((US-5950213-$ or US-6631495-$ or US-6366910-$ or US-6301574-$ or US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.) and ((EXEC adj CICS adj GDS adj RECEIVE) or (ACCEPT) or (DISPLAY) or (EXEC adj CICS adj HANDLE adj AID) or (EXEC adj CICS adj RECEIVE) or (EXEC adj CICS adj RECEIVE adj MAP) or (EXEC adj CICS adj RECEIVE adj MAP adj MAPPING adj DEV) or (EXEC adj CICS adj SEND adj MAP) or (EXEC adj CICS adj SEND adj MAP adj MAPPING adj DEV) or (EXEC adj CICS adj ACQUIRE adj TERMINAL) or (EXEC adj CICS adj CREATE adj TERMINAL) or (EXEC or CICS or DISCARD or TERMINAL) or (EXEC or CICS or INQUIRE or TERMINAL) or (EXEC adj CICS adj SET adj TERMINAL))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:47
-	7	((US-5950213-$ or US-6631495-$ or US-6366910-$ or US-6301574-$ or US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.) and (SORT or STOP or (EXEC adj CICS adj ABEND) or (EXEC adj CICS adj DUMP) or (EXEC adj CICS adj CHANGE adj TASK) or (EXEC adj CICS adj CONNECT) or (EXEC adj CICS adj SUSPEND) or PERFORM or (EXEC adj CICS adj ISSUE adj ABEND) or (EXEC adj CICS adj ISSUE adj ABORT) or (EXEC adj CICS adj SET adj UOW) or (EXEC adj CICS adj EXTRACT adj TCPIP) or CALL)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:53
-	3778472	(EXEC adj CICS adj DELETEQ adj TD) or OPEN or READ or (EXEC adj CICS adj DELETEQ adj TS) or (EXEC adj CICS adj READQ adj TD) or (EXEC adj CICS adj READQ adj TS) or (EXEC adj CICS adj WRITEQ adj TD) or (EXEC adj CICS adj WRITEQ adj TS) or READ or WRITE or PUT or GET	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:59
-	6	((US-5950213-$ or US-6631495-$ or US-6366910-$ or US-6301574-$ or US-6018627-$ or US-6167564-$ or US-5121330-$).did. or (US-20020194577-$).did.) and ((EXEC adj CICS adj DELETEQ adj TD) or OPEN or READ or (EXEC adj CICS adj DELETEQ adj TS) or (EXEC adj CICS adj READQ adj TD) or (EXEC adj CICS adj READQ adj TS) or (EXEC adj CICS adj WRITEQ adj TD) or (EXEC adj CICS adj WRITEQ adj TS) or READ or WRITE or PUT or GET)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/22 14:59
-	11	legacy adj collection	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 12:48

-	6475	assign$5 near4 weight	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 12:51
-	1	(assign$5 near4 weight) same (terminal adj (I/O or (input adj output)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 12:50
-	202	assign$5 near4 weight same construct$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 12:51
-	154	assign$5 near2 weight same construct$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 12:51
-	21	assign$5 near2 weight near4 construct$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:32
-	4469	171.clas.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:34
-	1082	717/151-161.CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:37
-	2204	709/238-241.CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:37
-	921	710/5,34.CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:38
-	4202	717/151-161.CCLS. or 709/238-241.CCLS. or 710/5,34.CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:38
-	0	(717/151-161.CCLS. or 709/238-241.CCLS. or 710/5,34.CCLS.) and (priorit$5 or weight) same construct same (code near2 translat$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:40
-	0	(717/151-161.CCLS. or 709/238-241.CCLS. or 710/5,34.CCLS.) and (instrument$7 same weight same efficien$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:45
-	1282	legacy same (conver$4 or transform$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:46
-	3	710/5,34.CCLS. and (legacy same (conver$4 or transform$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:48

-	2313044	(priorit$4 or restruct$6) near "10" (program$4) near "10" construct$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:49
-	43	(priorit$4 or restruct$6) near10 (program$4) near10 construct$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:50
-	43	((priorit$4 or restruct$6) near "10" (program$4) near "10" construct$3) and ((priorit$4 or restruct$6) near10 (program$4) near10 construct$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:50
-	0	(legacy same (conver$4 or transform$5)) and ((priorit$4 or restruct$6) near10 (program$4 near10 construct$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:51
-	13	(priorit$4 or restruct$6) near10 (program$4 near10 construct$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/23 15:51



V	U	#	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	R	Inventor	●	C	P
1	☐	☐	US 6176967 B1	20010116	18	Method of, system for, and computer program product for providing efficient	717/156	717/159		Ju, Dz Ching et al.	☑	☐	☐
2	☐	☐	US 5838980 A	19981117	18	Compilation and virtual machine arrangement and process for source code	717/143	717/113; 717/148		Guillen, Juan et al.	☑	☐	☐
3	☐	☐	US 5819088 A	19981006	25	Method and apparatus for scheduling instructions for execution on a	717/149	717/161		Reinders, James R.	☑	☐	☐
4	☐	☐	US 5367684 A	19941122	16	Register allocation using an improved register candidate usage matrix	717/140			Smith, Kevin J.	☑	☐	☐
6	☐	☐	US 5175856 A	19921229	34	Computer with integrated hierarchical representation (IHR) of program wherein	717/151	717/124; 717/159		Van Dyke, Don A. et al.	☑	☐	☐

US-PAT-NO: 6550054

DOCUMENT-IDENTIFIER: US 6550054 B1

TITLE: Method for representing terminal-based applications in the unified modeling language

——— KWIC ———

Abstract Text - ABTX (1):

A computer-implemented method is disclosed for automatically converting text-based screen applications of a legacy computer system into a graphical-based representation thereof. The method includes the steps of transforming a terminal-based screen application into an application specification; converting the application specification into a modeling language-based representation; and, displaying the modeling language-based representation with a graphical user interface. The method of this invention also includes the capability of generating document type definitions of the modeling language-based representation, which enables transmission of the representation among modeling tools.

Brief Summary Text - BSTX (15):

These and other objects, which will become apparent as the invention is described in detail below, are provided in a computer-implemented method that automatically converts text-based screen applications of a legacy computer system into a graphical-based representation thereof. The method includes the steps of transforming a terminal-based screen application into an application specification; converting the application specification into a modeling language-based representation; and, displaying the modeling language-based

Details | Text | Image | HTML | KWIC

	U	1	Document ID	Current OR	Pages	Title
8	☐	☐	US 6606744 B1	717/174	285	Providing collaborative installati management in a network-based
9	☐	☐	US 6601234 B1	717/108	282	Attribute dictionary in a business services environment
10	☐	☐	US 6601233 B1	717/102	278	Business components framework
11	☐	☐	US 6550057 B1	717/126	287	Piecemeal retrieval in an informa services patterns environment
12	☐	☐	US 6550054 B1	717/104	18	Method for representing terminal applications in the unified model
13	☐	☐	US 6546553	717/174	29	Service installation on a base fur

Details | Text | Image | HTML

US006550054B1

(12) **United States Patent**
Stefaniak

(10) Patent No.: US 6,550,054 B1
(45) Date of Patent: *Apr. 15, 2003

(54) METHOD FOR REPRESENTING TERMINAL-BASED APPLICATIONS IN THE UNIFIED MODELING LANGUAGE

(75) Inventor: Joseph Peter Stefaniak, San Clemente, CA (US)

(73) Assignee: Unisys Corporation, Blue Bell, PA (US)

(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/441,116

(22) Filed: Nov. 17, 1999

(51) Int. Cl.[7] G06F 9/44; G06F 9/45

(52) U.S. Cl. 717/104; 717/137

(58) Field of Search ..... 717/104, 100–103, 717/136–143, 105–109, 110–116, 120–123, 165–166; 707/103 R, 103 Y, 103, 103 Z, 500, 513, 523, 526–529; 703/25; 345/967

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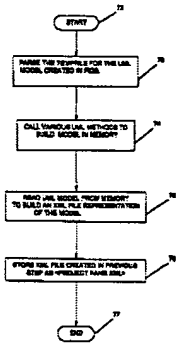
* cited by examiner

Primary Examiner—Gregory Morse
Assistant Examiner—Wei Zhen
(74) *Attorney, Agent, or Firm*—Phong-Quan Hoang; Alfred W. Kozak; Mark T. Starr

(57) ABSTRACT

A computer-implemented method is disclosed for automatically converting text-based screen applications of a legacy computer system into a graphical-based representation thereof. The method includes the steps of transforming a terminal-based screen application into an application specification; converting the application specification into a modeling language-based representation; and, displaying the modeling language-based representation with a graphical user interface. The method of this invention also includes the capability of generating document type definitions of the modeling language-based representation, which enables transmission of the representation among modeling tools.

24 Claims, 13 Drawing Sheets



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Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

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Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 Efficient scheduling of conditional behaviors for high-level synthesis

Apostolos A. Kountouris, Christophe Wolinski

July 2002 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 7 Issue 3

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As hardware designs get increasingly complex and time-to-market constraints get tighter there is strong motivation for high-level synthesis (HLS). HLS must efficiently handle both dataflow-dominated and controlflow-dominated designs as well as designs of a mixed nature. In the past efficient tools for the former type have been developed but so far HLS of conditional behaviors lags behind. To bridge this gap an efficient scheduling heuristic for conditional behaviors is presented. Our heuristic a ...

Keywords: Design automation, conditional behavior, high level synthesis (HLS), scheduling

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Thomas Kistler, Michael Franz

July 2003 **ACM Transacti ns n Pr gramming Languages and Systems (TOPLAS)**, Volume 25 Issue 4

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Luca Benini, Giovanni de Micheli

April 2000 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 5 Issue 2

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This tutorial surveys design methods for energy-efficient system-level design. We consider electronic sytems consisting of a hardware platform and software layers. We consider the three major constituents of hardware that consume energy, namely computation, communication, and storage units, and we review methods of reducing their energy consumption. We also study models for analyzing the energy cost of software, and methods for energy-efficient software design and compilation. This survery ...

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